

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1964

[Full Table of Content](#)



### 64/R/RW501/DA/4 Spring Wheat - Ccc

#### Rothamsted Research

Rothamsted Research (1965) *64/R/RW501/DA/4 Spring Wheat - Ccc ; Yields Of The Field Experiments 1964*, pp 209 - 210 - DOI: <https://doi.org/10.23637/ERADOC-1-160>

64/Da/4.1

SPRING WHEAT

(RW 501)

Effects of CCC\* - Pastures 1964.

Design: 4 randomised blocks of 9 plots each.

Area of each plot: 0.0067. Area harvested: 0.0008.

Treatments: All combinations of:-

1. CCC\* in spray at 67 gals: None (O), 2.5 lb (S), 5.0 lb (D).
2. Nitrogen: 0.25 (N1), 0.75 (N3), 1.25 (N5) cwt N as 'Nitro-Chalk'.

\* 2-chloroethyltrimethylammonium chloride - a dwarfing compound.

Basal dressing: 1.5 cwt compound 0:20:20 combine drilled.

Cultivations, etc.: Ploughed: Feb 27, 1964. Seed drilled at 4.5 bushels: Mar 13. 'Nitro-Chalk' applied: Mar 31. CCC sprays applied: May 13. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals): May 15. Yields estimated by sampling: Aug 24. Variety: Phoebe. Previous crops: 7 year grass and clover ley.

NOTE: Samples were taken for growth analysis at 5 leaf stage, then 3 weeks later, and at ear emergence, and at harvest. Grain yields were estimated by sampling.

Standard error per plot.

Grain: 2.79 or 6.8% (24 d.f.)

64/Da/4.2

# SUMMARY OF RESULTS

|                     | N1   | N3             | N5   | Mean           |
|---------------------|------|----------------|------|----------------|
| GRAIN               |      |                |      |                |
|                     |      | ( $\pm 1.39$ ) |      | ( $\pm 0.80$ ) |
| O                   | 35.5 | 40.5           | 43.2 | 39.7           |
| S                   | 36.6 | 43.2           | 45.4 | 41.8           |
| D                   | 37.3 | 44.7           | 44.5 | 42.1           |
| Mean ( $\pm 0.80$ ) | 36.5 | 42.8           | 44.4 | 41.2           |
| STRAW               |      |                |      |                |
| O                   | 39.7 | 50.6           | 53.2 | 47.8           |
| S                   | 30.1 | 39.8           | 45.5 | 38.5           |
| D                   | 31.6 | 43.9           | 45.6 | 40.4           |
| Mean                | 33.8 | 44.8           | 48.1 | 42.2           |

Mean D.M. %: Grain 88.4